

! INFORMATION DISCLOSURE CITATION
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NOV 10 2003

ATTY DOCKET NO.
30817-1008-CIP

SERIAL NO.
10/644,703

Louis A. Pena, et al.

FILING
08/19/2003

GROUP
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ID	5,608,035	03/04/1997	Yanofsky, et al.	530	324	
ID	5,635,597	06/03/1997	Barrett, et al.	530	327	
ID	5,643,873	07/01/1997	Barrett, et al.	514	12	
ID	5,648,458	07/15/1997	Cwirla, et al.	530	324	
ID	5,654,276	08/05/1997	Barrett, et al.	514	413	
ID	5,668,110	09/16/1997	Barrett, et al.	514	13	
ID	5,728,802	03/17/1998	Barrett, et al.	530	324	
ID	5,759,515	06/02/1998	Rhodes, et al.	424	1.69	
ID	5,767,234	06/16/1998	Yanofsky, et al.	530	327	
ID	5,773,569	06/30/1998	Wrighton, et al.	530	300	
ID	5,786,322	07/28/1998	Barrett, et al.	514	2	

FOREIGN PATENT DOCUMENTS

ID	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
ID	WO 00/18921	06.04.2000	PCT				
ID	WO 02/04015	17.01.2002	PCT				
ID	WO 02/19963	14.03.2002	PCT				
ID	WO 02/20033	14.03.2002	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ID		Peter Carmeliet and Edward M. Conway, "Growing better blood vessels," <i>Nature Biotechnology</i> (2001) 19:1019-1020
ID		Thomas P. Richardson, Martin C. Peters, Alessandra B. Ennett, and David J. Mooney, "Polymeric system for dual growth factor delivery," <i>Nature Biotechnology</i> (2001) 19:1029-1034

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED 10/06/2006
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ID	5,786,331	07/28/1998	Barrett, et al.	514	15	
ID	5,830,851	11/03/1998	Wrighton, et al.	514	2	
ID	5,861,476	01/19/1999	Barrett, et al.	530	527	
ID	5,866,113	02/02/1999	Hendriks, et al.	424	78.17	
ID	5,880,096	03/09/1999	Barrett, et al.	514	15	
ID	6,001,364	12/14/1999	Rose, et al.	424	193.1	
ID	6,030,812	02/29/2000	Bauer, et al.	435	69.7	
ID	6,121,236	09/19/2000	Ben-Sasson	514	12	
ID	6,168,784	01/02/2001	Offord, et al.	424	85.1	
ID	6,174,530	01/16/2001	Rose, et al.	424	193.1	
ID	6,174,721	01/16/2001	Innis, et al.	435	320.1	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ID		Francois Paris, Zvi Fuks, Anthony Kang, Paola Capodieci, Gloria Juan, Desiree Ehleiter, Adriana Haimovitz-Friedman, Carlos Cordon-Cardo, Richard Kolesnick, "Endothelial Apoptosis as the Primary Lesion Initiating Intestinal Radiation Damage in Mice," <i>Science</i> (2001) 293:293-297
ID		Luca Pellegrini, "Role of heparan sulfate in fibroblast growth factor signalling: a structural view," <i>Structural Biology</i> (2001) 11:629-634

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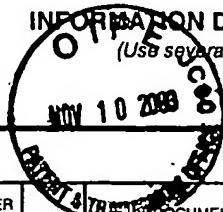
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ID	5,789,182	08/04/1998	Yayon, et al.	435	721	
ID	5,869,451	02/09/1999	Dower, et al.	514	13	
ID	5,902,799	05/11/1999	Herrmann, et al.	514	58	
ID	5,932,462	08/03/1999	Harris, et al.	435	188	
ID	5,952,474	09/14/1999	Kayman, et al.	530	395	
ID	5,955,588	09/21/1999	Tsang, et al.	536	21	
ID	5,965,532	10/12/1999	Bachovchin	514	12	
ID	5,989,866	11/23/1999	Deisher, et al.	435	69.4	
ID	5,994,104	11/30/1999	Anderson, et al.	435	69.52	
ID	6,011,002	01/04/2000	Pastan, et al.	514	2	
ID	6,051,648	04/18/2000	Rhee, et al.	525	54.1	

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						YES	NO

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				Louis A. Pena, et al.			
				FILING 08/19/2003	GROUP Unknown		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
1D	6,235,716	05/22/2001	Ben-Sasson	514	15		
1D	6,284,503	09/04/2001	Caldwell, et al.	435	181		
1D	6,251,864	06/26/2001	Dower, et al.	514	13		
1D	6,294,359	09/25/2001	Fiddes, et al.	435	69.4		
1D	6,323,323	11/27/2001	Sledziewski, et al.	530	387.3		
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1D	6,350,731	02/26/2002	Jehanli, et al.	514	12		
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
EXAMINER 				DATE CONSIDERED 10/06/2006			

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 30817-1008-CIP	Application Number 10/644,703
		Applicant(s) Louis A. Pena, et al.	
*EXAMINER INITIAL <i>BB</i>	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	Filing Date 08/19/2003	Group Art Unit Unknown
<i>BB</i>	Angela Verrecchio, Markus W. Germann, Barbara P. Schick, Brian Kung, Thomas Twardowski, and James D. San Antonio, "Design of Peptides with High Affinities for Heparin and Endothelial Cell Proteoglycans," <i>The Journal of Biological Chemistry</i> (2000) 275: 7701-7707		
<i>ID</i>	Marcus D. Ballinger, Venkatakrishna Shyamala, Louise D. Forrest, Maja Deuter-Reinhard, Laura V. Doyle, Jian-xin Wang, Lootsee Panganiban-Lustan, Jennifer R. Stratton, Gerald Apell, Jill A. Winter, Michael V. Doyle, Steven Rosenberg, and W. Michael Kavanaugh, "Semirational design of a potent, artificial agonist of fibroblast growth factor receptors," <i>Nature Biotechnology</i> (1999) 17:1199-1204		
<i>ID</i>	Maemaunah Hasan, Saloua Najjam, Myrtle Y. Gordon, Roslyn V. Gibbs, and Christopher C. Rider, "IL-12 is a Heparin-Binding Cytokine," <i>The Journal of Immunology</i> (1999) 162: 1064-1070		
<i>ID</i>	R. Sood, A. Talwar-Trikha, SR Chakrabarti and G. Nucifor, "MDS1/EVI1 enhances TGF-B1 signaling and strengthens its growth-inhibitory effect, but the leukemia-associated fusion protein AML1/MDS1/CVII, product of the t(3;21), abrogates growth-inhibition in response to TGF-B1," <i>Leukemia</i> (1999) 13: 348-357		
<i>ID</i>	Jose A. Andrades, Bo Han, Jose Becerra, Nino Sorgente, Frederick L. Hall, and Marcel E. Nimni, "A Recombinant Human TGF-B1 Fusion Protein with Collagen-Binding Domain Promotes Migration, Growth, and Differentiation of Bone Marow Mesenchymal Cells," <i>Experimental Cell Research</i> (1999) 250:485-498		
<i>ID</i>	Marco Rusnati, Elena Tanghetti, Patrizia Dell'Era, Anna Gualandris, and Marco Presta, "avB3 Integrin Mediates the Cell-adhesive Capacity and Biological Activity of Basic Fibroblast Growth Factor (FGF-2) in Cultured Endothelial Cells," <i>Molecular Biology of the Cell</i> (1997) 8:2449-2461		
<i>ID</i>	Jasodhara Ray, Andrew Baird, and Fred H. Gage, "A 10-amino acid sequence of fibroblast growth factor 2 is sufficient for its mitogenic activity on neural progenitor cells," <i>Proc. Natl. Acad. Sci. USA</i> (1997) 94:7047-7052		
<i>ID</i>	Arne Ostman, Maria Andersson, Ulf Hellman, and Carl-Henrik Heldin, "Identification of Three Amino Acids in the Platelet-derived Growth Factor (PDGF) B-chain That Are Important for Binding to the PDGF B-Receptor" <i>The Journal of Biological Chemistry</i> , Vol 266, No. 16, Issue of June 5, pp. 10073-10077, 1991		
<i>ID</i>	David M. Brennand, Ulla Dennehy, Vincent Ellis, Michael F. Scully, Poonam Tripathi, Vijay V. Kakkar, Geeta Patel, "Identification of a cyclic peptide inhibitor of platelet-derived growth factor-BB receptor-binding and mitogen-induced DNA synthesis in human fibroblasts," <i>FEBS Letters</i> 413 (1997) 70-74		
<i>ID</i>	Ahmed, Asif; Dunk, Caroline; Kniss, Douglas; Wilkes, Mark, "Role of VEGF Receptor-1 (Fit-1) in Mediating Calcium-Dependent Nitric Oxide Release and Limiting DNA Synthesis in Human Trophoblast Cells," <i>Lab Invest</i> , Volume 76(6) June 1997.779-791		
<i>ID</i>	Philip E. Dawson and Stephen B. H. Kent, "Synthesis of Native Proteins by Chemical Ligation," <i>Annu. Rev. Biochem.</i> 2000, 69:923-60		
<i>ID</i>	Roselyne Binetruy-Tournaire, Caroline Demangel, Bernard Malavaud, Roger Vassy, Sylvie Rouyre, Michael Kraemer, Jean Plouet, Claude Derbin, Gerard Perret and Jean Claude Mazie, "Identification of a peptide blocking vascular endothelial growth factor (VEGF)-mediated angiogenesis," <i>The EMBO Journal</i> Vol. 19 No. 7 pp. 1525-1533, 2000		
EXAMINER <i>BB</i>		DATE CONSIDERED <i>10/06/2006</i>	

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Substitute for form 1449B/PTO		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/644,703
		Filing Date	08/19/2003
		First Named Inventor	Louis A. Pena
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet	of	Attorney Docket Number	
		30817-1008-CIP	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
1D		Khee Dong Eom, Zhenwei Miao, Jin-Long Yang, and James P. Tam, "Tandem Ligation of Multipartite Peptides with Cell-Permeable Activity," <i>J. Am. Chem. Soc.</i> 2003, 125, 73-83	
1D		Gerd G. Kochendoerfer, Shiah-Yun Chen, Geng Mao, Sonya Cressman, Stacey Traviglia, Haiyan Shao, Christie L. Hunter, Donald W. Low, E. Neil Cagle, Maia Carnevali, Vincent Gueriguiian, Peter J. Keoch, Heather Porter, Stepehn M. Stratton, M. Con Wiedeke, Jill Wilken, Jie Tang, Jay J. Levy, Les P. Miranda, Milan M. Crnogorac, Suresh Kalbag, Paolo Botti, Janice Schindler-Horvat, Laura Savatski, John W. Adamson, Ada Kung, Stepehn B. H. Kent, James a Bradburne, "Design and Chemical Synthesis of Homogeneous Polymer-Modified Erythropoiesis Protein," <i>Science</i> , 7 February 2003, Vol. 299	
1D		Michael M. Dikov, Martha B. Reich, Lydia Dworkin, James W. Thomas, and Geraldine G. Miller, "A Functional Fibroblast Growth Factor-1 Immunoglobulin Fusion Protein," <i>The Journal of Biological Chemistry</i> , Vol 273, No. 25, Issue of June 19, pp. 15811-15817, 1998	
1D		Ulla Engstrom, Ake Engstrom, Agneta Ernlund, Bengt Westermark, and Carl-Henrik Heldin, "Identification of a Peptide Antagonist for Platelet-derived Growth Factor," <i>The Journal of Biological Chemistry</i> , Vol. 267, No. 23, Issue of August 15, pp. 16581-16587, 1992	
1D		David E. Hoke, Daniel Carson, and Magnus Hook, "A heparin binding synthetic peptide from human HIP/RPL29 fails to specifically differentiate between anticoagulantly active and inactive species of heparin," <i>Journal of Negative Results in BioMedicine</i> 2003, 2:1	
Examiner Signature		Date Considered	10/06/2006

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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

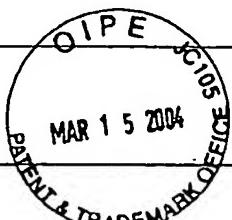
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Docket Number (Optional) 30817-1008-CIP	Application Number 10/644,703
Applicant(s) Louis A. Pena, et al.	
Filing Date 08/19/2003	Group Art Unit 1653

*EXAMINER
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1D | Gay, Cyril G. and Winkles, Jeffrey A.; Interleukin 1 regulates heparin-binding growth factor 2 gene expression in vascular smooth muscle cells; Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 296-300, January 1991 Cell Biology



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